IAP15 Rec'd PCT/PTO 03 AUG 2006

PTO-1390 (Rev. 07-2005) Approved for use through 03/31/2007. OMB 0651-0021

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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) de 37 CFR 1.5) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 Unknown INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED PCT/US2005/003917 4 February 2005 4 February 2004 TITLE OF INVENTION COMPOSITIONS AND METHODS FOR MODIFYING THE CONTENT OF POLYUNSATURATED FATTY ACIDS IN **BIOLOGICAL CELLS** APPLICANT(S) FOR DO/EO/US Jing X. Kang Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: x This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) is attached hereto (required only if not communicated by the International Bureau). a.i b. has been communicated by the International Bureau. C is not required, as the application was filed in the United States Receiving Office (RO/US). An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. а h has been previously submitted under 35 U.S.C. 154(d)(4). 7 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. b. have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12 An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. x A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15 A substitute specification. 16 A power of attorney and/or change of address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

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U.S. APPLICATION 1/5/1880 CHAIN 6			: INTERNATIONAL APPLICATION NO. PCT/US2005/003917		1	ATTORNEY'S DOCKET NUMBER 64624(51588)			
20. X Other items or information: Return Receipt Postcard									
The following fees have been submitted							_		
21. x Basic national fee (37 CFR 1.492(a))						\$ 300.0			
22. x Examination fee (37 CFR 1.492(c))									
If the written opin	ion prepared by IS	- 1.	e 200.0						
All other situation	PEA/US indicates		\$ 200.0 						
23. X Search fee (37 CFR 1.492(b))									
If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)									
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority							00		
previously communicated to the US by the IB									
7 th other onduction	TOTAL OF 21, 22	•				\$ 600.0	00		
Additional fee for specification and drawings filed in paper over 100 sheets (excluding									
electror	nic medium) (37 C	FR 1.492(j)).	1.821(c) or (e) or compu		an				
The fee is \$250 for each additional 50 sheets of paper or fraction thereof.									
Total Sheets	neets Extra Sheets Number of each additional 50 or fraction RATE thereof (round up to a whole number)								
79 - 100 =	79 - 100 = /50 =			x \$250.00		\$			
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).						\$ 130.0	0		
<u> </u>	CLAIMS NUMBER FILED		NUMBER EXTRA	RATE		04.000			
	Total claims 45 - 20 = Independent claims 3 - 3 =		20 0	x 50		\$1,00	10		
MULTIPLE DEPENDENT CLAIM(S) (if applicable) +									
TOTAL OF ABOVE CALCULATIONS =						\$ 1,730.00			
X Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.						865.00			
SUBTOTAL =						\$ 865.0	0		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).									
TOTAL NATIONAL FEE						\$ 865.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +									
							\$		
TOTAL FEES ENCLOSED =						\$ 865.00			
						Amount to be refunded:	\$		
						Amount to be charged	\$		

10/588406 IAP11 Rec'd PCT/PTO 03 AUG 2006

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Application No. (if known): Not Yet Assigned

Attorney Docket No.: 64624(51588)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV814886295US in an envelope addressed to:

MS PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on August 3, 2006

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each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (3

pages)

Copy of the International application

Unexecuted Declaration and Power of Attorney

Preliminary Amendment

Information Disclosure Statement

Charge \$865.00 to Deposit Account No. 04-1105